

Borough of
Royal Leamington Spa.

ANNUAL REPORT

OF THE
HEALTH OF THE DISTRICT
FOR THE YEAR 1948,

BY

H. GIBBONS WARD, M.D., D.P.H.,
MEDICAL OFFICER OF HEALTH.

Leamington Spa :

A. TOMES LTD., PRINTERS, 46, BEDFORD STREET.

1949.

PUBLIC HEALTH DEPARTMENT,
38, HOLLY WALK,
LEAMINGTON SPA.

October, 1949.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I beg to present the Annual Report of the Medical Officer of Health for 1948.

The year has seen a change in the administration of most of the Personal Health Services, insofar as responsibility for this has been taken from you and placed on the Warwickshire County Council, therefore some sections of the Report, as it used to be, are omitted.

I have taken the opportunity to re-arrange the matter to some extent, thereby, I believe, making it handier for reference and attaining some economy in printing.

The larger part of the staff has, of course, been transferred to the County Council ; but I would like to thank them all for their loyalty, without which it would have been impossible to carry on during the upheaval caused by the transfer.

I would wish to acknowledge again the kindness of the Committee, and to thank my colleagues in other departments for their ready help and willing co-operation.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

H. GIBBONS WARD,
Medical Officer of Health.

Borough of Royal Leamington Spa.

A. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Population (estimated) Mid-year, 1948	...	...	36,210
Birth Rate	...	...	18.3
Still Birth Rate—Rate per 1,000 total births		...	16
Death Rate	...	...	12.7
Deaths from Diseases and Accidents of Pregnancy and Child-birth	{ From Sepsis ,, other causes	...	1 —
Death Rate of Infants under 1 year of age :—			
All Infants per 1,000 live births	...	...	29
Legitimate Infants per 1,000 legitimate live births			21
Illegitimate Infants per 1,000 illegitimate live births	...	...	111
Deaths from Measles (all ages)	...	...	—
,, ,, Whooping Cough (all ages)	...	...	—
,, ,, Diarrhoea (under 2 years of age)	...		2

Population.—An increase of 1,040 on the estimated figure for 1947.

Birth Rate.—Rather below the past 3 years, but well above the average for the past 10 years.

Death Rate.—The lowest figure for the past 8 years but higher than that for England and Wales, viz. 10.8. The 287 deaths of persons over 65 years are analysed as follows :—

Age at Death: 65-75	75-85	85 and over.
119	124	44

Infant Mortality.—About the average for the past 8 years but lower than that for England and Wales, viz. 34. 11 still-births were registered during the year, 7 males and 4 females. A rate of 16 per 1,000 total births.

Statistics for the past 8 years and also for England and Wales in 1948 will be seen under Table II.

**PUBLIC HEALTH OFFICERS OF
THE BOROUGH OF ROYAL LEAMINGTON SPA**

Medical Officer of Health :

H. GIBBONS WARD, M.D., Ch., B.D.P.H.

Sanitary Inspectors :

G. H. HAMMOND, A.R.San.I., Cert. for Meat and Food.

A. J. SMITH, A.R.San.I., A.R.P.S.

Clerical Staff :

S. BUCKLEY, Chief Clerk.

Miss. R. NEWINGTON*

Miss B. GIBBONS WARD†

Miss H. I. STEVENSON.

Meteorological Observer :

A. H. STALWORTH

Disinfector :

W. JACKSON

Rodent Operative :

P. JACKSON

Public Analyst :

F. G. D. CHALMERS, M.A., B.Sc., F.I.C.

* Up to July 5th, 1949.

† After July 5th, 1949.

GENERAL PROVISION OF HEALTH SERVICES IN THE BOROUGH

is as follows :—

Laboratory facilities.—The following Examinations were made at Birmingham University during 1948 :—

	Positive	Negative	Total
SWABS (from throat or nose), examined for Diptheria	1	23	24

Ambulance facilities.—The Ambulance Service is administered by the Warwickshire County Council, Telephone No. Warwick 86. Urgent telephone calls may be made by asking for Ambulance.

SANITARY CIRCUMSTANCES OF THE AREA

Water.—The sources of the Town's water were as described for previous years, supplemented to a small extent by supplies from outside the Borough.

1. The water supply has been satisfactory in quality and quantity, although care has been necessary to avoid the waste of water.

2. Bacteriological and chemical analyses are made monthly of the well waters and weekly of the filtered river water.

3. The water is not excessively plumbo-solvent and no special precautions are taken against this.

4. Chlorination plants are installed at all sources of supply.

5. Except for a few houses supplied by stand pipe all the population is supplied by taps inside the houses.

CHEMICAL ANALYSIS OF RIVER WATERS

(June, 1948)

	<i>Unfiltered River Water.</i>	<i>Filtered River Water.</i>
Free and Saline Ammonia ...	0.0060	... 0.0012
Albuminoid Ammonia ...	0.0380	... 0.0138
Chlorine in Chlorides ...	2.9	... 3.3
Nitrogen in Nitrates } Nitrogen in Nitrites }	Trace	... Trace
Oxygen absorbed from Permanganate at 80° F. in 4 hours	0.240	... 0.089

			<i>Unfiltered River Water.</i>	<i>... ...</i>	<i>Filtered River Water.</i>
Total Solids driven at 100° C.			74	...	74
Appearance	...	...	Slightly turbid many small particles		
Hardness	Temporary	...	17.0	...	14.5
	Permanent	...	25.0	...	27.5
	Total	...	42.0	...	42.0
Free Chlorine	...	...	0	...	0.015
Metals	...	...	Absent	...	Absent

Conditions of Filtration Plant—

Time and Date of sample : 10-15 a.m., 23rd June, 1948.

Position at which taken : Filter House.

Rate of Filtration : 13,000 g.p.h.

Alumina Dose : 3.84 g.p.h.

Whether or not dosed with chlorine before settling : Yes
.65 p.p.h.

Chlorine dose after filtration : Nil lbs. p.h.

Residual chlorine after 20 minutes : 1.1 p.p.m.

Remarks : Fair.

Alkalinity as CO ₃	...	...	14.4	...	12.3
pH value	...	...	7.8	...	7.2
Dissolved CO ₂	...	...	0.56	...	0.96
Nitrite	...	...	Trace	...	Absent

1. New mains laid in 1948 :— *Yards.*

Town Water Mains	...	...	...	539
River Water Mains	...	...	...	50

2. Amount of Water pumped in 1948 :—

<i>Corporation Source.</i>	<i>Gallons.</i>
From Campion Terrace	154,089,000
„ Lillington	116,462,000
„ Brewery Well	57,117,000
„ River (unfiltered)	105,228,000
„ River (filtered)	108,712,000

Outside Sources.

From Warwick R.D.C.	26,728,000
Water supplied to Warwick R.D.C.	6,307,500

3. Daily consumption of Town Water per head 33.5 galls.
River Water supplied to Residents per head 4.5 „
ditto including that to Railway Companies 3.8 „

Baths.—The total number of those using both baths during the twelve months ended 31st December, 1948 was 108,836. The average attendance per week during the Summer season (May to September) was 3,516, and during the Winter season, 1,048.

Frequent bacteriological and chemical examinations of the swimming baths water were made during the year and proved satisfactory.

Rivers.—Sources of pollution both inside and outside the Borough were kept under observation and action taken as far as necessary.

Drainage and Sewage.—A full report of the Sewage Disposal Scheme was contained in the report for 1929. During the year, the general character of the sewage effluent was satisfactory.

Closet accommodation.—With the exception of a few cottages in the Lillington district, the houses throughout the town are supplied with water closets.

Scavenging.—Approximately 8,425 tons of refuse were collected and received at the Destructor, as compared with 8,737 the previous year.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

Incidence of Commoner Infectious Diseases since 1940.

		Smallpox	Diphtheria.	Scarlet Fever.	Enteric Fever.	Pneumonia.	Encephalitis Lethargica.	Puerperal Pyrexia.
1940	...	—	6	29	10	32	—	2
1941	...	—	28	29	2	32	—	18
1942	...	—	33	28	1	35	1	29
1943	...	—	29	50	—	32	—	2
1944	...	—	20	58	1	31	—	9
1945	...	—	11	57	—	25	—	2
1946	...	—	12	41	1	53	—	6
1947	...	—	24	25	1	25	—	16
1948	...	—	2	28	—	14	—	3

Diphtheria.—It will be noted that the number of cases of this disease is the lowest on record. I have hesitated to say in the past that this is due to immunisation, but there would appear to be little doubt that this is the case.

During 1948 412 children under 5, and 34 between 5 and 14 were immunised, a total of 448 for the year. 58 children were given "booster" doses.

Scarlet Fever.—Cases numbered 28; all the cases were mild.

TUBERCULOSIS

Age-Periods.	New Cases.				Deaths.			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0 ...	—	—	—	—	—	—	—	—
1-5 ...	—	—	—	—	—	—	—	—
5-10 ...	1	1	1	—	—	—	—	—
10-15 ...	—	—	1	—	—	1	—	—
15-20 ...	2	3	—	1	—	1	—	—
20-25 ...	—	—	—	1	1	1	—	—
25-35 ...	—	1	—	—	1	1	—	—
35-45 ...	5	—	—	—	1	4	—	—
45-55 ...	2	2	—	—	3	3	2	—
55-65 ...	—	1	—	—	3	—	—	—
65 & upwards	3	—	—	—	4	—	—	—
Totals ...	13	8	2	2	13	11	2	—

7 cases of Tuberculosis were admitted for treatment at a Sanatorium, and 11 cases were discharged.

TUBERCULOSIS

	1929	1930	1931	1932	1933	1934	1935
Cases ...	40	39	30	37	27	26	32
Deaths...	25	18	16	19	8	17	9
	1936	1937	1938	1939	1940	1941	1942
Cases ...	40	40	28	23	43	26	40
Deaths...	9	15	8	5	10	23	22
	1943	1944	1945	1946	1947	1948	
Cases ...	45	43	42	38	65	25	
Deaths...	17	22	19	11	24	26	

CANCER

The deaths ascribed to Malignant Disease numbered 88, classified in age groups as follows :—

Age Group.			Male.		Female.		Total.
Under 50	...	...	5	...	5	...	10
50-60	...	...	6	...	8	...	14
60-70	...	...	11	...	10	...	21
70-80	...	...	18	...	13	...	41
80 and over	...	...	5	...	7	...	12
			—		—		—
			45		43		88

For the past ten years the deaths have been as follows :—

		1939	1940	1941	1942	1943	1944	1945
		62	55	78	79	75	60	66
Death Rate per 1,000	}	1.96	1.05	2.07	2.03	2.08	1.69	1.87
		1946	1947	1948				
		75	83	88				
Death Rate per 1,000	}	2.15	2.36	2.42				

REPORT OF SANITARY INSPECTORS for the Year ending 31st December, 1948

Number of complaints received, 638.

Number of Notices served :—Formal, 7 ; Informal, 278

Number of Notices complied with, 236.

SUMMARY OF SANITARY WORK EXECUTED

Total number of visits made to premises	...	...	2763
Visits in Relation to Notifiable Infectious Diseases	...	...	49
Visits in Relation to Non-notifiable Infectious Diseases	...	...	18
Rooms fumigated	...	...	74
Rooms disinfected	...	...	85
Steam disinfections	...	...	73
Books disinfected	...	...	22
Inspections of Factories (including Bakehouses, etc.)	...	...	163
„ Food Shops and Premises	...	...	648
„ Dairies and Cowsheds	...	...	154
„ Offensive Trades Premises	...	...	37
„ Common Lodging Houses	...	...	32
„ Canal Boats	...	...	8
Samples of Food and Drugs taken for Analysis	...	...	155
Samples of Ice Cream taken for bacteriological examination	...	...	31
Samples of Milk (Special Designations)	...	...	71
Number of Chemical Tests applied to Drains	...	...	11
DWELLING-HOUSES			
Roofs repaired (house, scullery, W.C. etc.)	...	...	83
Floors repaired	...	...	53
Wall and ceiling plaster made good or renewed (rooms)	...	...	156
Rooms re-decorated or limewashed	...	...	174
Windows repaired and/or made to open	...	...	38
Sashcords renewed	...	...	7
Doors repaired or rehung	...	...	5
Firegrates repaired or reset	...	...	19
Stairs repaired	...	...	10
Flues to Chimneys repaired	...	...	12
Walls re-pointed	...	...	23
WASH-HOUSES AND SCULLERIES			
Coppers repaired	...	...	12
Rainwater Cisterns cleansed	...	...	5
Sink Waste-Pipes repaired or renewed	...	...	9
Paving of yards and passages repaired or renewed	...	...	8
Old stone sinks removed	...	...	3
New sinks provided	...	...	6

DRAINS AND WATER CLOSETS, ETC.

Obstructed Drains cleansed	...	...	...	25
Drains repaired or reconstructed	...	...	...	18
Broken or foul W.C. Pans renewed	...	...	...	14
W.C.'s repaired or rebuilt	...	...	...	27
W.C. Pans cleansed	...	...	...	21
W.C.'s provided with new flushing apparatus	...	...	...	14
Flushing Apparatus repaired or renewed	...	...	...	16
Additional Gullies provided	...	...	...	5
Rain-water spouting repaired or renewed	...	...	...	53
Inspection chambers provided	...	...	...	2
Intercepting traps provided	...	...	...	3

ASHPIT ACCOMMODATION

Number of new Ashbins provided	31
--------------------------------	-----	-----	-----	----

OTHER NUISANCES

Accumulations removed	...	...	...	...	12
Smoke nuisances abated	...	...	...	...	4
Animals so kept as to be a nuisance	...	...	...	...	3
Premises cleansed	...	...	...	...	13

CANAL BOATS

No. of Boats on Register on December 31st, 1948...	...	...	...	...	Nil
No. of Boats inspected during 1948	...	...	...	...	8
No. of Boats infringing Acts and Regulations	...	...	...	...	7
With respect to Certificates	...	...	...	...	2
,, ,, Painting	...	...	...	...	5
No. of persons for whom Cabins were Registered	...	...	...	...	20
Details of occupation—Male adults	...	...	...	...	6
,, ,, Female adults	...	...	...	...	7
,, ,, Children of school age	...	...	...	...	2
,, ,, ,, under school age	...	...	...	...	2

SHOPS ACTS

380 visits were made during the year. 20 notices were served relating to offences against the provisions of various Shops Acts, mostly in connection with failing to exhibit the proper notices. One cafe proprietor was cautioned in connection with an offence relating to the hours of employment of a young person.

RATS AND MICE DESTRUCTION ACT, 1919 INFESTATION ORDER, 1943

The systematic survey of premises in the Borough, was continued during the year and all infestations discovered were dealt with.

Under the Private Dwelling Scheme, whereby the public is given free service, 96 treatments were made. There were also 31 treatments to Business premises and 24 treatments to Corporation premises, making a total of 151 for the year.

The sewers received two maintenance treatments in which 515 manholes were baited in the first instance and 540 manholes in the second.

ERADICATION OF BED BUGS.—During the year 85 rooms were treated for bed-bug infestation. One or other of the proprietary brands of liquid insecticide was used in each case, with, in some instances, the addition of vapour from disinfectator blocks.

HOUSING, 1948

The usual Table has been completed and is being kept for reference.

HOUSING

Number of houses built in the town during, 1948 :—

(a) By the Local Authority	...	86
(b) By private enterprise	... ..	46

The number of houses owned by the Corporation is 936
 „ „ „ Prefabricated Bungalows is ... 113

Houses converted into two or more houses, or flats :—

Originally.	Now.
23 houses.	59 flats.

FOOD AND DRUGS ACT, 1938
THE FOOD STANDARDS
(GENERAL PROVISIONS) ORDER, 1944

The following samples were taken and submitted to the Public Analyst for analysis :—

	Formal.	Informal.	Totals.
Butter	—	7	7
Baking Powder ...	—	13	13
Bun Flour ...	—	2	2
Cooking Fat ...	—	7	7
Cheese	—	7	7
Custard Powder	—	6	6
Camphorated Oil	—	4	4
Cake Mixture ...	—	1	1
Coffee	—	4	4
Coffee and Chicory	—	1	1
Curry Powder ...	—	2	2
Gelatine Powder	—	9	9
Ginger	—	5	5
Glycerine ...	—	2	2
Liquorice Powder	—	2	2
Margarine ...	—	7	7
Milk	43	7	50
Mustard	—	1	1
Mixed Spice ...	—	1	1
Pepper	—	2	2
Porridge Oats ...	—	1	1
Pudding Mixture	—	1	1
Raising Powder...	—	11	11
Sponge Mixture	—	4	4
Vinegar	—	5	5
	<hr/> 43	<hr/> 112	<hr/> 155

All the samples were found to be satisfactory.

MILK AND DAIRIES ORDER, 1926
and
MILK (SPECIAL DESIGNATIONS)
REGULATIONS, 1936 to 1946

Licences issued during the year under the Milk (Special Designations) Regulations, 1936 to 1946 :—

Licences to Pasteurise Milk	...	...	...	...	4
Supplementary Licences to sell Pasteurised Milk	...				1
Dealers' Licences to sell Tuberculin Tested (Pasteurised) Milk	...	...	...	...	25
„ „ to sell Tuberculin Tested Milk	...				1
„ „ to sell Tuberculin Tested (Certified) Milk	...	...	...	...	1
„ „ to sell Accredited Milk	...		...	...	3
„ „ to sell Pasteurised Milk	...		...	...	7

Results of Samples taken under the
Milk (Special Designations) Regulations

Class of Milk	No. of Samples	Appropriate Tests	No. of Samples Passed	Samples Failed
Pasteurised	41	Phosphatase	41	
		Methylene Blue	40	1
Tuberculin Tested (Pasteurised)	26	Phosphatase	25	1
		Methylene Blue	25	1
Tuberculin Tested Tuberculin Tested (Certified)	1	Methylene Blue	1	
		Coliform	1	
Accredited	38	Plate Count	Nil	3
		Methylene Blue	1	2
		Coliform	3	Nil

Results of the Bacteriological Examination of Ice-Cream samples :—

Number of Samples in Grade	1	...	...	16
„ „ „ „	2	...	...	4
„ „ „ „	3	...	...	5
„ „ „ „	4	...	...	6
				—
	TOTAL	...		31
				—

UN SOUND FOOD

The following amounts of food were examined and either destroyed or used as animal feeding stuffs after inspection had shown that they were unfit for human consumption :—

Miscellaneous tinned foodstuffs				4,004 tins.
„ packaged „	...	...		304 packets.
Jam and Fruit	...	...	...	72 jars.
Pickles	...	...	...	130 „
Eggs	...	...	...	216
Chickens	...	...	...	128
		Cwts.	Qrs.	Lbs.
Fish	...	2	3	0
Bacon	...		1	4½
Cheese	...		1	18¾
Butter	...			1¼
Tea	...			18¼
Sugar	...	1	0	2
Cereals	...	2	0	10
Biscuits	...			15
				—
	TOTAL	5	7	13¾
				—

METEOROLOGICAL REPORT, 1948

The recording of Meteorological observations in the Borough has been continued throughout the year.

I am indebted to Mr. A. H. Stalworth for the following statistics which are the result of his observations.

TABLE OF METEOROLOGICAL OBSERVATIONS, LEAMINGTON SPA, 1948.
Latitude 52° 18' N. Longitude 1° 30' W.

Month.	Means of Barom. 9 a.m.	AIR TEMPERATURES.										EARTH TEMPERATURES				Rainfall.		Sun- shine. Hours
		Absolute Temperatures.						TEMPERATURES				Direc- of the pre- vailng Wind	Inches	Days				
		Means.		Min.	Max.	Date	Min.	Date	At 1 foot	At 2 feet	At 4 feet							
		9 a.m.	Max.															
January ...	29.47	41.7	47.4	37.5	57	on 13th	29	1st & 20th	...	...	47.9	S.W.	3.86	27	46.1	
February ...	30.16	40.7	46.3	35.9	61	„ 29th	22	„ 21st	...	...	47.0	S.W.	0.99	10	85.5	
March ...	30.35	45.7	56.2	38.6	68	„ 9th	31	„ 5th, 6th, 7th	...	...	47.2	S.W.	0.99	9	152.1	
April ...	29.90	49.9	58.1	40.1	69	„ 21st & 27th	30	5th	...	...	49.6	S.W.	1.70	12	192.2	
May ...	30.01	54.7	63.0	43.8	77	„ 17th & 18th	32	„ 3rd	...	...	53.1	N.E.	3.40	12	245.2	
June ...	29.93	57.1	64.9	50.1	77	„ 14th	44	„ 3rd & 9th	...	...	56.1	S.W.	2.66	17	148.4	
July ...	30.01	60.9	65.6	53.8	89	„ 28th, 29th	44	„ 6th & 7th	...	...	58.2	S.W.	1.46	13	161.4	
August ...	29.87	60.1	66.5	52.9	75	„ 31st	46.	„ 27th	...	...	60.3	S.W.	3.41	16	115.0	
September	29.98	58.2	65.4	50.9	76	„ 9th	36	„ 22nd	...	...	59.3	S.W.	3.68	9	128.2	
October ...	30.04	49.5	56.8	43.0	67	„ 9th & 10th	26	„ 27th	...	...	57.0	S.W.	- 2.43	13	79.3	
November...	30.18	43.8	50.8	39.1	60	„ 18th & 19th	26	„ 9th	...	...	53.0	S.W.	1.23	14	62.8	
December ...	30.01	42.0	48.1	34.3	59	„ 3rd	25	„ 26th	...	...	50.3	S.W.	1.98	14	61.8	
Totals ...	...	...	...	...	...	...	...	...	...	...	...	...	27.79	166	1476.0
Means ...	29.99	50.4	57.4	43.3	...	...	...	...	...	...	53.3	...	...	...	...

METEOROLOGICAL AVERAGES OF LEAMINGTON SPA.

For the 68 Years, 1881-1948						For the 37 years, 1912 to 1948.
Month.	Means of Barom. 9 a.m.	Air Temperature.		Rainfall.		Sunshine
		Max.	Min.	Inches.	Days.	Hours.
January ...	29.92	44.5	34.2	2.23	16	41.7
February	29.96	45.0	34.3	1.61	13	58.6
March ...	29.96	50.2	36.1	1.66	14	101.3
April ...	29.94	54.6	39.1	1.90	15	136.1
May ...	29.95	62.8	44.7	2.00	13	179.2
June ...	30.02	67.7	49.6	1.60	12	187.0
July ...	29.94	70.2	53.5	2.40	15	167.1
August ...	29.88	69.6	52.9	2.29	14	162.6
September	29.99	64.6	48.5	2.09	12	122.2
October ...	29.96	57.4	42.5	2.26	15	93.0
November	29.90	48.9	37.3	2.32	15	51.4
December	29.91	45.7	36.1	2.24	16	35.5
Means and Totals ...	29.94	56.8	42.4	24.60	170	1335.7

TABLE II.

BOROUGH OF LEAMINGTON SPA.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1948 AND PREVIOUS YEARS.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Nett.		Under 1 Year of age.		At all Ages.	
		Number.	Rate.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8
1941	37,650	567	15.0	24	42	510	13.5
1942	37,270	535	14.6	21	39	478	12.8
1943	35,950	585	16.2	20	34	488	13.5
1944	35,360	664	18.6	15	23	473	13.3
1945	34,200	650	19.0	23	35	459	13.4
1946	34,720	692	19.1	24	36	477	13.7
1947	35,170	687	19.5	18	26	481	13.5
1948	36,210	661	18.3	19	29	461	12.7

VITAL STATISTICS IN ENGLAND AND WALES, 1948.

ENGLAND AND WALES.

*Birth-rate, Death-rate, and Infantile Mortality during the Year 1948
(Provisional Figures).*

Annual Rate per 1,000 Population.

			Live Births	Still Births.	Deaths under one year to 1,000 Deaths.	Deaths under one year to 1,000 Births.
England and Wales	...	...	17.9	0.42	10.8	34
126 Great Towns, including London			20.0	0.52	11.6	39
148 Smaller Towns	...	...	19.2	0.43	10.7	32
London	...	...	20.1	0.39	11.6	31

TABLE III.

BOROUGH OF ROYAL LEAMINGTON SPA.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR
1948.

NOTIFIABLE DISEASE.	Number of Cases notified.								Total cases removed to Hospital	Total Deaths.
	At all Ages.	At Ages—Years.								
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.		
Small-pox										
Plague										
Diphtheria (including Mem- branous Croup)	2		2						2	
Erysipelas	5				1		2	2		
Scarlet Fever	28		11	13	2	1	1		15	
Typhus Fever										
Enteric Fever										
Pneumonia	14		1	2	1	3	4	3		19
Malaria										
Dysentery										
Puerperal Pyrexia	3					3			3	
Cerebro-spinal Meningitis										
Poliomyelitis	2	1				1			2	
Encephalitis Lethargica										
Ophthalmia Neonatorum										
Polio-Encephalitis										
Pulmonary Tuberculosis	21			7	1	9	1	3		24
Other forms of Tuberculosis	4		2	2						2
Totals	79	1	14	24	10	14	8	8	22	45

TABLE IV.
BOROUGH OF ROYAL LEAMINGTON SPA.
CAUSES OF DEATH DURING THE YEAR 1948.

CAUSES OF DEATH.	MALES.	FEMALES.
All Causes	221	240
1 Typhoid and Paratyphoid Fevers ...	—	—
2 Cerebro Spinal Fever	—	—
3 Scarlet Fever	—	—
4 Whooping Cough	—	—
5 Diphtheria	—	—
6 Tuberculosis of Respiratory System ...	13	11
7 Other Forms of Tuberculosis	2	—
8 Syphilitic Diseases	2	2
9 Influenza	2	1
10 Measles	—	—
11 Ac. Polio-Myel and Polio-Enceph. ...	—	—
12 Ac. Infant Enceph.	1	—
13 Cancer of Buccal Cav. and Oesoph (M.) Uterus (F.)	7	4
14 Cancer of Stomach and Duod.	8	4
15 Cancer of Breast	—	14
16 Cancer, other Sites	30	21
17 Diabetes	1	3
18 Intra Cran. Vasc. Lesions... ..	14	26
19 Heart Disease	61	79
20 Other Dis. Circ. Sys.	9	14
21 Bronchitis	7	7
22 Pneumonia	9	10
23 Other Resp. Diseases	4	—
24 Ulcer of Stomach and Duod.	6	1
25 Diarrhoea (under 2 years)... ..	2	—
26 Appendicitis	—	1
27 Other Digestive Diseases	5	8
28 Nephritis	2	6
29 Puer. and Post Abort Sepsis	—	1
30 Other Maternal Causes	—	—
31 Premature Birth	3	—
32 Con. Mal., Birth Inj., etc.... ..	5	—
33 Suicide	—	6
34 Road Traffic Accidents	2	—
35 Other Violent Causes	7	7
36 All Other Causes	19	14

